



OFFICIAL FILE
ILL. C. D. DOCKET NO. 05-01598
11EC CR
Date 9-6-05
LP

Load and Resource Audit
Summer, 2004
Report to the Board of Directors

June 25, 2004

Prepared by the MAIN AUDIT TEAM

Gary H. Campbell
Raymond N. Mason
Robert W. Millard
Norbert D. Mizwicki
Paul E. Reber

Under the Direction of the
MAIN SUPPLY AUDIT TASK FORCE

MAIN Load and Resource Report
Summer, 2004

June 25, 2004

To the MAIN Board of Directors:

This report of the MAIN Load and Resource Audit showing planned reserves for the summer season as of June 25, 2004 is being presented to the MAIN Board of Directors by the MAIN audit team for its information.

The MAIN Board directed the Planning Committee to conduct an independent audit of the MAIN member systems similar in structure to the 2000 through 2003 Summer Season audits. Each applicable MAIN member and Retail Energy Supplier (RES) would present an explanation of the details of its load forecast and supply plan for the 2004 summer season peak conditions to an independent auditor team. It was agreed to have the Supply Audit Task Force modify and update the 2003 templates as required for summer 2004. It was also agreed that the audit would continue to include Retail Energy Suppliers (RES) operating in Illinois. Retail Energy Suppliers include the ARES and Illinois jurisdictional utilities. To incorporate the effect of the RES operations, the templates include both wholesale and retail load.

The majority of the audits this year was made via e-mails and FedEx submittals. Subsequent review, as required, was conducted via telephone calls and e-mails. Several field audits of members were also conducted dependant upon the complexity of the audit data. Some RES audits were not completed until shortly before the issuance of this report. The composite total of RES load in the Ameren, ComEd and IP Control Areas of Illinois increased from 83MW in July 2000 to 1340MW in July 2001, 2515MW in July 2002, 3675MW in July 2003 and 4,833MW in July 2004.

The audit team, selected by the MAIN Supply Audit Task Force (SATF), consisted originally of five auditors but only four participated in the audits. None of the auditors were employees of any MAIN members or RES. ALL five auditors were full time MAIN employees. Audit assignments were structured so that no audit team leader directed the audit of a former employer.

Between the completion of the audits and the date of this report, some audited entities provided supplementary evidence of resource or transmission firmness. This data was examined with the same rigor as in the field audit or audit submittal and, if appropriate, this data was incorporated into the report to insure proper accounting of all energy transactions, especially within MAIN.

The summer season audit for 2004 continued the partitioning of the summer season into three separate periods: June 15-30, July and August. The audit team continued to cross check the MAIN member and RES sales and purchases between audited entities. This helped insure proper accounting of all energy transactions, especially within MAIN.

Based upon the instructions of the Board, the Supply Audit Task Force, and the audit templates, the following summary information is provided to the MAIN Board of Directors for each member and applicable ARES audited, and for MAIN as a whole:

MAIN Load and Resource Report
Summer, 2004

- Adjusted Demand:** The member or system firm end-use load requirements, reduced by interruptible loads, demand-side management and firm purchases, and increased by firm sales (MW). Demand data and interruptibles were reviewed for consistency with past actual and forecast data, published forecasts, and reporting to MAIN and the U. S. Department of Energy (EIA-411). Firm purchases were reviewed for specific contract firmness and curtailment language and firmness of the transmission contract path from source to sink. RES retail load requirements were listed in aggregate less interruptible and compared to capacity requirements that were adjusted to reflect the nature of the capacity serving the load.
- Adjusted Capacity:** The member system generating capability, reduced by unit or system capacity sales, and increased by unit or system capacity purchases (MW). Generating capability was reviewed in comparison with member filed characteristics with MAIN and the U. S. Department of Energy (EIA-411, EIA-860), and member, manufacturer or owner's representations for units due for 2004 Summer Period service. Capacity purchases were reviewed for specific contract firmness and firmness of the transmission contract path from source to sink. RES capacity was adjusted to reflect the nature of the capacity serving the RES load.
- Reserve:** The excess of Adjusted Capacity over Adjusted Demand (MW) for CAs and for RES the excess of capacity accounting for firmness over the retail demand less interruptible.
- Reserve Margin:** The Reserve, expressed as a percentage of adjusted Demand (%) for CAs and retail load less interruptible for the RES.

The detailed results are tabulated on the following pages. For MAIN as a whole, the projected overall Reserve Margins for MAIN including the RES for the indicated Summer Season peak periods of 2004 are: 33.13% for June 15-30; 18.40% for July and 20.61% for August.

The MAIN Board had approved a recommended minimum long-term (several years) planning reserve margin of 17 to 20% for MAIN as a whole and a recommended near-term (a few months) planning reserve margin of 15% at the MAIN Annual Meeting on November 16, 2002. At that meeting the Board directed the MAIN Planning Committee to conduct a study of the planning reserve margins. The Board reviewed the

MAIN Load and Resource Report

Summer, 2004

findings and adopted a recommended long term planning reserve margin of 16% and a recommended short term planning reserve margin of 14.12% for MAIN on June 12, 2003.

Please note that several audited members and RES have additional resources to serve the summer season peak load periods which do not meet the exacting requirements of the audit templates for firm purchases or capacity purchases, because of source system recallability, non-firm transmission reservations, or various other contractual provisions. These additional resources are classified in the table as "Other Net Purchases under contract but not included above" or "Other Planned Purchases not under contract". These resources may provide significantly improved reliability as reported, or may be "firmed up" through subsequent negotiations with resource and transmission providers to later qualify under the audit template criteria.

The breakup of the conventional MAIN integrated utilities serving as control areas into multiple entities (e.g. load serving entity (LSE), transmission operator (TOP), retail energy supplier (RES), balancing authority (BA), reliability authority (RA), generating entity (GEN), marketing entity, etc operating both within and outside of MAIN) may require the updating and revision of the Supply Audit templates in the future to properly capture these organizational changes with regards to their responsibilities and resultant effect on maintaining an adequate level of reserves within MAIN.

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 1 of 6)

Company Name		MAIN including RES	Alliant E	Alliant W	Ameren	CILCo	CWLP
Adjusted Demand (MW)	Jun -	48,740	2,666	3,112	9,768	1,014	424
	Jul -	55,033	2,863	3,359	11,133	1,142	473
	Aug -	54,170	2,764	3,356	10,590	1,107	459
Adjusted Capacity (MW)	Jun -	64,890	3,531	4,130	12,851	1,225	620
	Jul -	65,158	3,501	4,102	12,789	1,225	620
	Aug -	65,332	3,498	4,111	12,959	1,225	620
Reserve (MW)	Jun -	16,150	864	1,018	3,083	211	196
	Jul -	10,125	638	743	1,656	83	147
	Aug -	11,162	735	755	2,369	118	161
Reserve Margin (%)	Jun -	33.13%	32.42%	32.72%	31.56%	20.76%	46.23%
	Jul -	18.40%	22.29%	22.12%	14.87%	7.22%	31.08%
	Aug -	20.61%	26.58%	22.49%	22.37%	10.61%	35.08%
Other Purchases Not Conforming to Templates (net MW)	Jun -	575	0	0	0	100	0
	Jul -	755	0	0	180	100	0
	Aug -	575	0	0	0	100	0
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Retail Load served by Others (MW)	Jun -	4,502	0	0	681	0	0
	Jul -	4,833	0	0	697	0	0
	Aug -	4,831	0	0	692	0	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Wholesale Load Not Included in Adjusted Demand (MW)	Jun -	283	0	0	0	0	0
	Jul -	286	0	0	0	0	0
	Aug -	285	0	0	0	0	0
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	72	0	0	0	0	0
	Jul -	75	0	0	0	0	0
	Aug -	75	0	0	0	0	0

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 2 of 6)

Company Name		CWL	ComEd	EEI	IMEA	IP	MGE
Adjusted Demand (MW)	Jun -	246	15,504	0	347	2,702	582
	Jul -	246	17,535	0	378	3,269	685
	Aug -	246	17,535	0	384	3,220	685
Adjusted Capacity (MW)	Jun -	287	20,831	32	474	3,878	822
	Jul -	287	20,769	32	474	3,878	822
	Aug -	287	20,791	32	474	3,878	822
Reserve (MW)	Jun -	41	5,327	32	127	1,176	240
	Jul -	41	3,234	32	96	609	137
	Aug -	41	3,256	32	90	658	137
Reserve Margin (%)	Jun -	16.46%	34.36%		36.60%	43.52%	41.23%
	Jul -	16.46%	18.45%		25.40%	18.63%	20.00%
	Aug -	16.46%	18.57%		23.44%	20.43%	20.00%
Other Purchases Not Conforming to Templates (net MW)	Jun -	0	0	400	0	0	30
	Jul -	0	0	400	0	0	30
	Aug -	0	0	400	0	0	30
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Retail Load served by Others (MW)	Jun -	0	3,550	0	0	271	0
	Jul -	0	3,850	0	0	286	0
	Aug -	0	3,850	0	0	289	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Wholesale Load Not	Jun -	44	0	0	16	0	0
Included in Adjusted Demand (MW)	Jul -	44	0	0	19	0	0
	Aug -	44	0	0	18	0	0
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	0	0	0	16	0	0
	Jul -	0	0	0	19	0	0
	Aug -	0	0	0	18	0	0

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 3 of 6)

Company Name		SIPC	Soyland	UPP	WEPCo	WPPI	WPS
Adjusted Demand (MW)	Jun -	226	225	65	5,294	110	1,953
	Jul -	252	255	72	6,218	137	2,183
	Aug -	247	250	71	6,151	169	2,105
Adjusted Capacity (MW)	Jun -	368	259	78	7,410	231	2,539
	Jul -	351	293	82	7,382	229	2,577
	Aug -	356	288	83	7,386	227	2,579
Reserve (MW)	Jun -	142	34	13	2,116	121	585
	Jul -	99	38	10	1,164	92	393
	Aug -	109	38	11	1,235	58	474
Reserve Margin (%)	Jun -	62.83%	15.00%	19.57%	39.96%	109.73%	29.97%
	Jul -	39.29%	15.00%	14.57%	18.72%	66.82%	18.02%
	Aug -	44.13%	15.00%	15.89%	20.07%	34.01%	22.51%
Other Purchases Not Conforming to Templates (net MW)	Jun -	0	0	45	0	0	0
	Jul -	0	0	45	0	0	0
	Aug -	0	0	45	0	0	0
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Retail Load served by Others (MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0
Wholesale Load Not Included in Adjusted Demand (MW)	Jun -	0	0	42	0	0	181
	Jul -	0	0	42	0	0	181
	Aug -	0	0	42	0	0	181
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	0	0	56	0	0	0
	Jul -	0	0	56	0	0	0
	Aug -	0	0	57	0	0	0

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 4 of 6)

Ameren Control Area

RES Name		All RES (See Note 1 on last page)	Ameren Energy Mkt	MidAm	Enerstar	Constellation New Energy
Adjusted Demand (MW)	Jun -	4,502	629	6	8	38
	Jul -	4,833	644	6	9	38
	Aug -	4,831	639	6	9	38
Adjusted Capacity (MW)	Jun -	5,327	723	7	11	50
	Jul -	5,746	741	7	11	50
	Aug -	5,718	735	7	11	50
Reserve (MW)	Jun -	825	94	1	3	12
	Jul -	913	97	1	2	12
	Aug -	887	96	1	2	12
Reserve Margin (%)	Jun -	18.32%	15.00%	16.67%	37.50%	31.58%
	Jul -	18.89%	15.00%	16.67%	22.22%	31.58%
	Aug -	18.36%	15.00%	16.67%	22.22%	31.58%
Other Purchases Not Conforming to Templates (net MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0
Retail Load served by Others (MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0
Wholesale Load Not Included in Adjusted Demand (MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	0	0	0	0	0
	Jul -	0	0	0	0	0
	Aug -	0	0	0	0	0

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 5 of 6)

Commonwealth Edison Control Area

RES Name		Ameren Energy Mkt	Dynegy	Exelon	MidAm	Constellation New Energy	Peoples	Sempra	Added RES
Adjusted Demand (MW)	Jun -	586	71	830	331	1,335	213	80	104
	Jul -	586	74	900	333	1,305	213	80	359
	Aug -	586	73	950	333	1,300	228	80	300
Adjusted Capacity (MW)	Jun -	675	82	955	381	1,679	245	92	120
	Jul -	675	85	1,035	383	1,684	245	92	413
	Aug -	675	84	1,093	383	1,653	262	92	345
Reserve (MW)	Jun -	89	11	125	50	344	32	12	16
	Jul -	89	11	135	50	379	32	12	54
	Aug -	89	11	143	50	353	34	12	45
Reserve Margin (%)	Jun -	15.19%	15.00%	15.00%	15.00%	25.77%	15.00%	15.00%	15.00%
	Jul -	15.19%	15.00%	15.00%	15.00%	29.04%	15.00%	15.00%	15.00%
	Aug -	15.19%	15.00%	15.00%	15.00%	27.15%	15.00%	15.00%	15.00%
Other Purchases Not Conforming to Templates (net MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0
Retail Load served by Others (MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0
Wholesale Load Not Included in Adjusted Demand (MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	0	0	0	0	0	0	0	0
	Jul -	0	0	0	0	0	0	0	0
	Aug -	0	0	0	0	0	0	0	0

MAIN Load and Resource Report
Summer, 2004

2004 Load and Resource Tabulation (page 6 of 6)

IP C.A.

RES Name		Dynegy	Ameren Energy Mkt
Adjusted Demand (MW)	Jun -	268	3
	Jul -	283	3
	Aug -	286	3
Adjusted Capacity (MW)	Jun -	308	3
	Jul -	325	3
	Aug -	329	3
Reserve (MW)	Jun -	40	0
	Jul -	42	0
	Aug -	43	0
Reserve Margin (%)	Jun -	15.00%	15.00%
	Jul -	15.00%	15.00%
	Aug -	15.00%	15.00%
Other Purchases Not Conforming to Templates (net MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0
Other Planned Purchases Not Under Contract (net MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0
Retail Load served by Others (MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0
Retail Load Served Outside Control Area (MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0
Wholesale Load Not Included in Adjusted Demand (MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0
Wholesale Resources Not Included in Adjusted Capacity (MW)	Jun -	0	0
	Jul -	0	0
	Aug -	0	0

MAIN Load and Resource Report
Summer, 2004

Note 1 - Since the RES make "firm purchase" transactions to cover their demand obligation, the "adjusted demand" becomes "zero" or less. In order to put the RES demand obligation in prospective, their "firm purchases" will be shown on the "adjusted capacity" line and will not be considered as part of "adjusted demand".